

T AND TRADEMARK OFFICE IN THE UNITED STANGER

In re application of:

McMullin et al.

Appl. No.: 10/649,807 Filed: August 28, 2003

For: Apparatus and Method for Local Oscillator Calibration in Mixer

Circuits

Confirmation No.: 5999

Art Unit: 2685

Examiner: Haroon, Adeel

Attv. Docket: 1875,4300000

Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

> 85/39/2006 SZEWDIE1 00000118 10649807 188.88 OP 92 FC:1896

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date

of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee.

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	a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each
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	of information in this Information Disclosure Statement was cited
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	inquiry, was known to any individual designated in 37 C.F.R. §
	1.56(c) more than three months prior to the filing of this
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<u></u> 5.	The document(s) was/were cited in a search report by a foreign patent office in a
	counterpart foreign application. Submission of an English language version of
	the search report that indicates the degree of relevance found by the foreign office
	is provided in satisfaction of the requirement for a concise explanation of
	relevance. 1138 OG 37, 38.
☐ 6.	A concise explanation of the relevance of the non-English language document(s)
	appears below in accordance with 37 C.F.R. § 1.98(a)(3).
	Atta Die No. 1975 0160001

⊠ 7.	Copies of documents FP1, FP2, FP3, FP4, FP5, NPL1, NPL2 and NPL3 are
	submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of
	U.S. patents and patent application publications cited on the attached IDS Forms
	are submitted.
□ 8.	Copies of the documents were cited by or submitted to the Office in an IDS that
	complies with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C.
	§ 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
9 .	It is expected that the examiner will review the prosecution and cited art in the
	parent application no(s) in accordance with MPEP 2001.06(b), and
	indicate in the next communication from the office that the art cited in the earlier
	prosecution history has been reviewed in connection with the present application. $ \\$
	It is respectfully requested that the Examiner initial and return a copy of the
enclos	ed IDS Forms, and indicate in the official file wrapper of this patent application

that the documents have been considered.

- 6 -

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The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey Attorney for Applicants

Registration No. 44,757

Date:

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5/26/06

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			U.S. PATENT DO		
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
		Number-Kind Code ^{2 (If Known)}			or Relevant Figures Appear
	USI	3,641,515	02-08-1972	Sues	
	US2	4,006,420	02-01-1977	Schittko	
	US3	4,031,469	06-21-1977	Johnson	
	US4	4,340,975	07-20-1982	Onishi et al.	
	US5	4,368,468	01-11-1983	Lisle et al.	
	US6	4,696,055	09-22-1987	Marshall	
	US7	4,858,159	08-15-1989	Wheelwright et al.	
	US8	5,200,826	04-06-1993	Seong	
	US9	5,329,319	07-12-1994	Sgrignoli	
	US10	5,337,014	08-09-1994	Najle et al.	
	US11	5,390,348	02-14-1995	Magin et al.	
	US12	5,408,196	04-18-1995	Senpel et al.	
	US13	5,584,068	12-10-1996	Nohindra	
	US14	5,692,279	12-02-1997	Mang et al.	
	US15	5,737,035	04-07 1998	Rotzoll	
	US16	5,822,687	10-13-1998	Bickley et al.	
	US17	5,847,612	12-08-1998	Birleson	
	US18	5,930,696	07-27-1999	Tzuang et al.	
	US19	5,950,119	09-07-1999	McGeehan et al.	I
	US20	6,009,317	12-28-1999	Wynn	

		Fo	REIGN PATENT DO	OCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code ³ Number ⁶ Kind Code ⁸ (if known)			Relevant Passages or Relevant Figures Appear	T°
	FP1	WO 99/16179	04-01-1999	PCT		
	FP2	0473373A2	03-04-1992	EP		
	FP3	0208470A2	01-14-1987	EP		Ĺ_
	FP4	0576082A1	12-29-1993	EP		
	FP5	0883237A1	12-09-1998	EP		
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Examiner		Date	
Signature	/Lana Le/	Considered	09/29/2009

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Substitute for form 1449/PTO Complete if Known MAY 2 6 2006 Application Number 10/649,807 INFORMATION DISCLOSURE Filing Date August 28, 2003 First Named Inventor McMullin STATEMENT BY APPLICANT Art Unit 2685 (Use as many sheets as necessary) Examiner Name Haroon, Adeel 1875.4300000 Sheet of Attorney Docket Number

			U.S. PATENT DO		
Examiner Initials	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
IIIIIII	No.	Number-Kind Code ^{2 ((fKnown)}	WWW-DD-1111	Applicant of Cited Bootings	or Relevant Figures Appear
	US21	6,011,962	01-04-2000	Lindenmeier et al.	
	US22	6,028,647	02-22-2000	Fukai et al.	
	US23	6,035,186	03-07-2000	Moore et al.	
	US24	6,037,999	03-14-2000	Kunishima	
	US25	6,160,572	12-12-2000	Matsuura	
	US26	6,163,684	12-19-2000	Birleson	
	US27	6,169,569 B1	01-02-2001	Widmer et al.	
	US28	6,233,442 B1	05-15-2001	Koda et al.	
	US29	6,330,290 B1	12-11-2001	Glas	
	US30	6,427,068 B1	07-30-2002	Suominen	
	US31	6,484,042 B1	11-19-2002	Loke	
	US32	6,952,564 B2	10-04-2005	Gannholm	
	US33				
	US34				
	US35				
	US36				
	US37				
	US38				
	US39				
	US40				

			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code' Number' Kind Code' (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP10					ш
	FP11					ш
	FP12					Ш
	FP13					ш
	FP14					ш
	FP15					ш
	FP16					ш
	FP17					ш
	FP18				1	ш

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Examiner Signature	/Lana Le/	Date Considered	09/29/2009
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EXAMINER, relial It reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicants varience citation designation number (orbitation): See India Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent document, the indication of the year of the relign of the Emporer must proceed the serial number of the patient content. Visit of document is wind the document. While of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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37 CFR 197 and 198. The intermetant is required to obtain or retain a benefit by the public which is to fisc (and This collection of intermetant) are required to obtain or retain a benefit by the public which is to fisc (and This collection is attended to fisc of the complete of the collection is attended to fisc 2 hours to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time wit vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestations for reducing this burnder, should be sent for the Intermetant Officer, U.S. Patent and Trademerk Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for	form 1449/P7	ro		Co.	mplete if Known	
		Application Number	10/649,807	OF		
INFORM	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	August 28, 2003	10 40	
STATEM			PLICANT	First Named Inventor	McMullin	
			s necessary)	Art Unit	2685	MAY 2 6 2006
				Examiner Name	Haroon, Adel	\
Sheet	1	of	1	Attorney Docket Number	1875.4300000	The set
						4 TRADE

	-	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
	NPL1	Ducourant et al., "A 3 Chip G&As Double Conversion TV Tuner System With 70 dB Image Rejection," IEEE 1989 Microwave and Milliparer-Wave Monolithic Circuits Symposium, pages 87-90, "COPY "13th", 1985.	
	NPL2	Farmer, "Specifications for Tuner Design for Use in Cable Ready Television Receivers and VCRs," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 36, No. 3, August, 1990, pages 660-668.	
	NPL3	Maas, "Microwave Mixers," Artech House, Copyright, 1986, pages 248-251.	
	NPL4		
	NPL5		
	NPL6		
	NPL7		
	NPL8		
	NPL9		
	NPL10		

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